

## CLAIMS

What is claimed is:

1. A method for treating undesirable tissue, comprising:  
selecting a portion of tissue for treatment;  
collecting said portion of tissue, and placing said portion of tissue between a plurality of electrodes;  
applying an electric current between said electrodes; and  
maintaining said current until the temperature of adipose cells in said portion of tissue reaches a level at which the adipose cells are modified.
2. The method of claim 1, comprising cooling said electrodes.
3. The method of claim 1, comprising applying an electronically conductive medium to the surface area of said tissue portion.
4. The method of claim 1, comprising extracting modified cells from said tissue portion.
5. The method of claim 1, wherein said collection of said portion of tissue includes pinching said portion of tissue.
6. A method for treating undesirable tissue, comprising:  
placing a portion of tissue between a plurality of electrodes;  
applying an electric current between said electrodes; and  
generating production of proteins for use in replacing the undesirable tissue.
7. The method of claim 6, wherein said placing a portion of tissue includes pinching said portion of tissue.
8. The method of claim 6, comprising applying an epidermal conducting medium to the skin surface before applying said electric current.
9. The method of claim 6, comprising destroying degraded tissue elements.
10. A method for treating undesirable tissue, comprising:  
placing a portion of tissue between a plurality of electrodes;  
applying an electric current to said electrodes; and  
generating heat in a blood vessel, said heat capable of coagulating said blood vessel.

11. The method of claim 10, wherein said placing a portion of tissue includes pinching said portion of tissue.
12. The method of claim 10, comprising cooling the skin surface before applying said electric current.
13. The method of claim 10, comprising dissipating vascular lesions.
14. A system to treat undesirable tissue, comprising:  
an energy source;  
a plurality of electrodes;  
a holding mechanism adapted to hold a fold of tissue, such that current emitted by said electrodes modifies the undesirable elements in said fold of tissue.
15. The system of claim 14, comprising a suction apparatus.
16. The system of claim 14, comprising an electronically conductive medium.
17. An apparatus to treat undesirable tissue, comprising:  
a hand piece having at least two electrodes and a mechanism for holding a portion of tissue between said electrodes.
18. The apparatus of claim 17, wherein said hand piece comprises a suction apparatus.
19. The apparatus of claim 17, comprising an electric circuit to transmit electric current from an energy source to said tissue between said electrodes.